AMG-16
HLA Evolution
Proposals for February and August Checkpoints

17 December 1996

Topics

- **Outline proposals for**
  - **Changes to be considered at February checkpoint**
  - **Issues to be addressed for consideration at August checkpoint**
- **Based on follow-up to baseline development issues and on results of recent series of AMG technical exchanges**

Regular HLA Checkpoints

- **The six month cycles discussed as part of HLA transition will serve as routine checkpoints in the HLA process**

- **One month prior to each checkpoint**

  - **progress of issue investigations will be checked**

  - **proposed changes in architecture and impact on specification will be evaluated**

  - **draft changes in specifications will be prepared for AMG review**

- **Focal points will be responsible for drafting and integrating changes across the specifications**

- **Checkpoints also provide timing for more marginal changes in specifications (e.g. text updates, deleting parameters)**

  - **Specs have comment forms; these will be maintained by DMSO and coordinated via the TST**

February Checkpoint Proposal

First opportunity to address some of the issues raised during baseline; initiate formal process while completing old business

- **IF Spec**
  - Feedback on document has highlighted need for text clarification; based on input from the spec comment forms
  - Update in terminology
  - Add language specific APIs as annexes
    - C++ (based on experience with RTI F.O and simulations adapted as part of F.0 testing (e.g. ModSAF, EAGLE))
    - Ada (based on SAIC-Orlando experience with C++/Ada bindings)
    - IDL (based on feedback from Object Technologies development of CORBA cap for C++)

- **OMT Spec**
  - Clarification in current OMT (interaction table)
  - Add notes feature for annotating OMT structured entries with supporting data

Proposed Schedule For February Checkpoint

- **17 December: define plans for updates and review process**

- **10 January: distribute drafts for technical review**
  - **Marked up versions IfSpec and OMT Documents**
  - **API (C++, IDL) on the home page, Ada drafts available (little@sei.cmu.edu)**
  - **17 January comments due**

- **23 January: distribute drafts for AMG Review**
  - **Hard/soft copies will be sent to AMG members**
  - **30 January comments due**

- **4 February final drafts distributed**

- **12-13 February: AMG reviews/approves changes**

Prospective Areas for August Checkpoint

Feedback is expected from a broader set of users of HLA, via the spec comment forms/process

- **IFSpec**
  - Continued extension of API: JAVA
  - Time management issue: Zero Lookahead

- **OMT**
  - OM Issue: Addition of multiple inheritance to OMT

AMG Issue Approval

- **Step 1 -> 2 of process is based on AMG approval of issues to be investigated**

- **Two issues are proposed**
  - **Time management issue: Zero Lookahead**
  - **OM Issue: Addition of multiple inheritance to OMT**

- **AMG approval?**

- **If yes, next steps:**
  - **Form issue team**
  - **Draft issue paper and investigation plan**
  - **Report back at AMG-17**